

OAK RIDGE NATIONAL LABORATORY
OPERATED BY
CARBIDE AND CARBON CHEMICALS DIVISION
UNION CARBIDE AND CARBON CORPORATION

403886

UCC

POST OFFICE BOX P
OAK RIDGE, TENN.

Division of Biology

June 13, 1951

Dr. N. Edward Tolbert
Division of Biology and Medicine
Atomic Energy Commission
Washington, D. C

OPENNET ENTRY	
<input type="checkbox"/> Authorized for Public Release	Date: 7/11/95
By: <i>BSG/PL/1200/1</i>	
Entered in OpenNet	
By:	Date:
<input type="checkbox"/> Not Authorized for Public Release	
By:	Date:

Dear Doctor Tolbert:

This is to confirm the essential contents of your telephone call (our conversation) of yesterday and supplement it with a few pertinent statements.

Our proposal is to carry out a part of the original Operation Greenhouse experiment omitted for reasons of expediency, if this can be done now with little effort, namely, to match explosion exposure with X rays at 2 levels in one sex. Dr. Cronkite is doing this for LD-50 at the Naval Medical Research Center and has expressed his willingness to supply us with the animals, some of which would be his survivals. As he feels the desirability to supplement his part of this project (LD-50), so do we as concerns our part (chronic effects).

While this is not an essential part of the bomb study, it would make it more "scientific", enabling a correlation of years of acquired knowledge on X ray effects with that of atomic bomb explosion. It is particularly desirable to have these data for comparison on cataract induction (for which a small batch of 50 mice would be ample) because nothing is known on dose-time relation as concerns cataract induction in this strain of mice.

For reasons of expediency it is most desirable to carry out such a study when a broad baseline is available on which to project additional small experiments.

X ray exposures at 2 levels with 100 to 120 mice of one sex (females) would seem ample for all purposes, e.g., LD-50 dose and one-third of it. Altogether this would add less than 10% to the total number of mice now here in this project.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
DECLASSIFICATION REVIEW AUTHORIZED BY: <i>A. S. NISALU 11/2/94</i>	DETERMINATION (CIRCLE NUMBER(S)) 1. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO: 3. CONTAINS NO DOE CLASSIFIED INFO
REVIEWER (ADD): <i>ML KOLBAY</i>	COORDINATE WITH: 4. CLASSIFICATION CANCELLED 5. CLASSIFIED INFO BRACKETED 7. OTHER (SPECIFY):
DATE: <i>11/16/94</i>	

DOE ARCHIVES

6-13-51

Having taken over Operation Greenhouse animals and improved the caging, feeding, and watering system so as to save labor, the work is now a simple routine for us. During the past week only one animal died of the entire lot. So, the work of higher research personnel is for some time merely that of vigilance (except that of the cataract team). If no decision can be reached now, I recommend to drop the matter as with lapse of time the new variables will diminish the value of the proposed supplement.

This proposal is subject to approval of Dr. LeRoy, whom I have not been able to contact.

* * * * *

My associate pathologist about whom you inquired is Dr. A. C. Upton, an excellent man, trained by Dr. Weller at the University of Michigan.

The above proposal entails no new appropriations. On local level, 4 persons were approved for Operation Greenhouse - 3 of whom are animal caretakers and one a low level section worker. The animal care operates on a 7 day schedule. One worker is estimated to work on per annum basis 4 days a week. All other personnel, including Dr. Upton, is carried on the old ceiling of this section. With the aid of an excellent staff we have been fortunate to get all work ~~accepted~~, we are happy to report, is well under control. We invite inspection.

assigned to us

I have been repeatedly asked about the pathology work of the Russell's animal colony. None was proposed here; and, as I understand it, their study requires none. We are prepared to render service in pathology to those here who need it. At present we are covering small surgical pathology and autopsy service for the Oak Ridge hospital until they can get replacement for Dr. Rehbock. Their decision to have a pathologist of their own was made before my arrival, and we do not wish to influence them.

Sincerely yours,

Jacob Furth

JACOB FURTH

JF:jd

cc: Dr. LeRoy
Dr. McCrady